

I. GENERAL

II. INTERSECTION OPERATION

III. CONTROLLER REQUIREMENTS

IV. SPECIAL NOTES

SPECIAL NOTES

DISTRICT 3:

OFFICE OF TRAFFIC AND SAFETY:

MONTGOMERY COUNTY:

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9016	1 EA	4 CHANNEL DETECTOR AMPLIFIER
9042	1 EA	CONTROLLER ASC II WITH TELEMETRY
9044	1 EA	CONTROLLER CABINET, SIZE 6
9086	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS
9570	52 SF	SHEET ALUMINUM GROUND MOUNTED SIGN

SHEET ALUMINUM SIGNS TO CONSIST OF:

4 EA W3-3 36"x36" - GROUND MOUNT
4 EA D95-25 24"X24" - GROUND MOUNT

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	2 EA	MAINTENANCE OF TRAFFIC
2002	3 CY	TEST PIT EXCAVATION
5006	75 LF	24 INCH HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS
8001	8 CY	CONCRETE FOUNDATION
8013	1 EA	CONTROL CABLE, 100 FOOT VIDEO DETECTION CAMERA TO CONTROLLER
8015	1 EA	CONTROL CABLE, 300 FOOT VIDEO DETECTION CAMERA TO CONTROLLER
8029	LS	REMOVE AND DISPOSE OF MATERIAL AND EQUIPMENT
8042	65 LF	WOOD SIGN SUPPORTS 4 INCH X 4 INCH
8044	375 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8049	130 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED
8050	325 LF	4 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED
8051	60 LF	2 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8052	455 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8053	685 LF	4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
8057	10 LF	1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8059	2 EA	ELEC. UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS (200 AMP METER SOCKET)
8061	900 LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 4 AWG THHN/THWN
8063	1 EA	MICROLOOP PROBE, 500 FOOT LEAD IN CABLE
8067	13 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8069	52 SF	INSTALL GROUND MOUNTED SIGN
8071	2 EA	VIDEO DETECTION CAMERA
8077	2 EA	STEEL POLE WITH A SINGLE 50 FOOT MAST ARM
8091	6 EA	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
8093	15 EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8101	385 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8105	20 LF	SAW CUT FOR SIGNAL (LOOP DETECTOR)
8112	1 EA	INSTALL CONTROLLER AND CABINET - BASE MOUNT
NEG.	900 LF	50-PAIR COMMUNICATION CABLE, JELLYFILLED, UNDERGROUND
NEG.	500 LF	250 KCMIL CABLE

C. MATERIAL TO BE REMOVED AND RETURNED TO SHA




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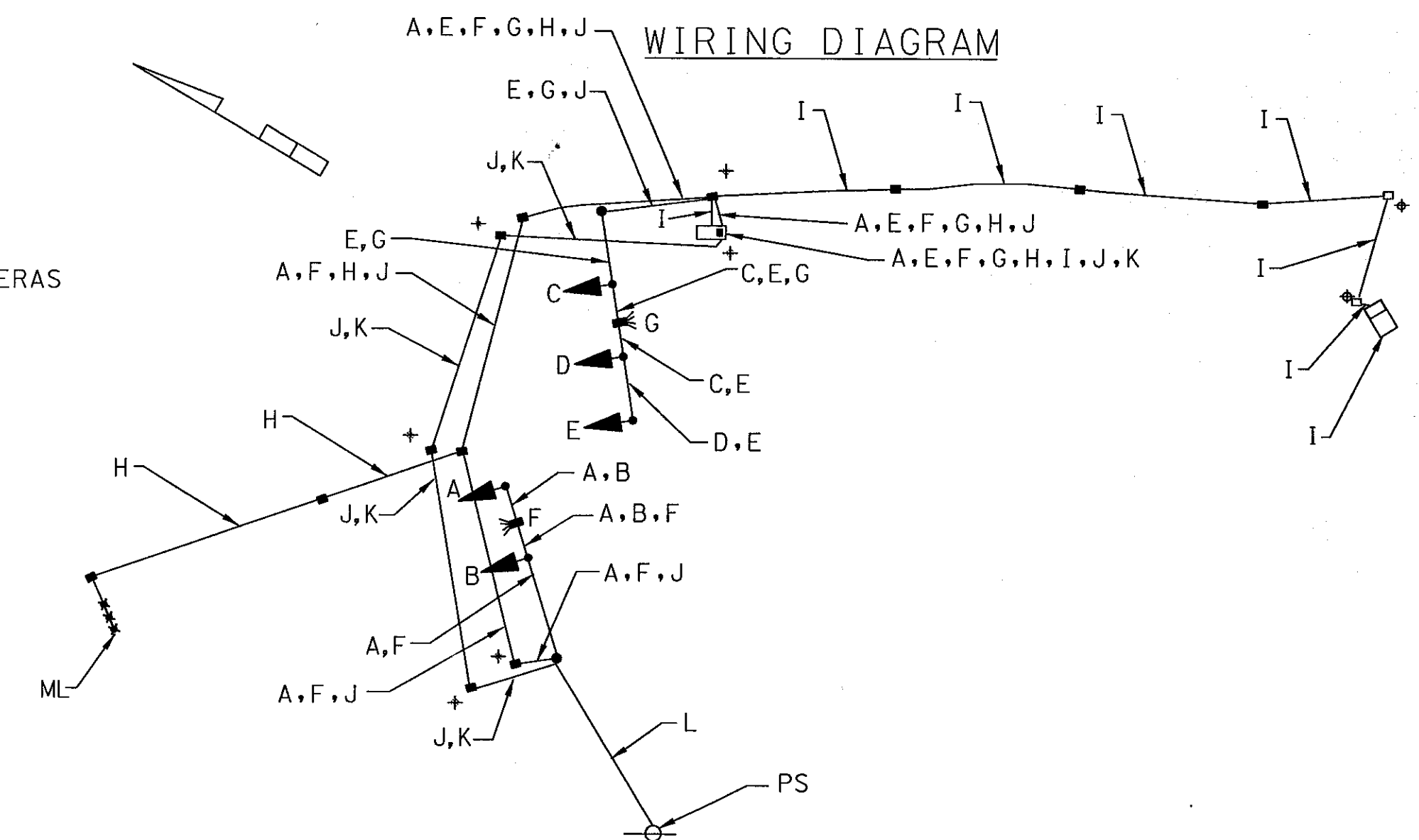
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(Y) (Y) (Y) (Y) (Y)

(G) (G) (G) (G) (G)

Phase 2	G	G	G	R	R	
2 Change	Y	Y	Y	R	R	
Phase 4	R	R	R	G	G	
4 Change	R	R	R	Y	Y	
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/R	FL/R	



WIRING KEY

A,B,C,D,E	-	5-CONDUCTOR ELECTRICAL CABLE (No. 14 AWG)
F,G	-	VIDEO DETECTION CONTROL CABLE
H	-	MICROLOOP 500 FT LEAD-IN
I	-	50-PAIR COMMUNICATION CABLE, JELLY FILLED (UNDERGROUND)
ML	-	MICROLOOP PROBESET
SOCKET) J	-	STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
K	-	THREE RUNS OF 1-CONDUCTOR (NO. 4 A.W.G.)
L	-	THREE RUNS OF 250 KCMII
+	-	PROPOSED $\frac{3}{4}$ IN. X 10 FT. GROUND ROD
+	-	EXISTING $\frac{3}{4}$ IN. X 10 FT. GROUND ROD
PS	-	PROPOSED UNDERGROUND POWER SERVICE